

# INTERNATIONAL SEARCH REPORT

Intern. Application No

PCT/Z 3/00092

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12M1/26 C12M1/28

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 507 133 A (SINGLETON PAUL ET AL) 16 April 1996 (1996-04-16)	1,3-10, 25-29, 31,32
A	column 7, line 6 - line 25; claim 4; figure 1	2,21,30
X	US 5 994 129 A (ARMSTRONG R DOUGLAS ET AL) 30 November 1999 (1999-11-30) cited in the application	1,3, 5-10,24, 26,32
A	column 9, line 15 - line 30; figure 2	2,27-31
X	WO 90 15527 A (AGRISTAR INC) 27 December 1990 (1990-12-27) abstract	1,5-10, 24-26,32
A	claims 13,26-28,31	2,27-31
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

2 December 2003

Date of mailing of the international search report

15/12/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 70935 A (CHR. HANSEN A/S) 27 September 2001 (2001-09-27)	1,5,25, 26,32
A	page 10, line 15 - line 24; claims 1,12,16 ---	27,31
A	DATABASE WPI Section Ch, Week 200037 Derwent Publications Ltd., London, GB; Class D16, AN 2000-431742 XP002263511 & ZA 9 905 408 A (UNIV PRETORIA), 26 April 2000 (2000-04-26) abstract ---	1-4, 8-10,16, 21, 26-29, 31,32
A	US 4 358 539 A (BITTINGS GILBERT S) 9 November 1982 (1982-11-09) column 3, line 19 - line 32 -----	1-32

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Information on patent family members

Intern: Application No

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US 5507133	A	16-04-1996	NONE
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